

**DRAFT SCREENING SITE INVESTIGATION  
FOR THE  
PENN-HARRIS METALS CORP. SITE  
1650 NORTH CAMERON STREET  
HARRISBURG, DAUPHIN COUNTY, PENNSYLVANIA  
ECKEL SITE NUMBER 301**

Prepared for

U.S. Environmental Protection Agency Region 3  
Hazardous Property Cleanup Division  
1650 Arch Street  
Philadelphia, PA 19103

Prepared by

Tetra Tech EM Inc.  
7 Creek Parkway, Suite 700  
Boothwyn, PA 19061

Remedial Action Contract No. 68-S7-3002  
Work Assignment No. 048-PAPA-03ZZ  
Project No. I4185.47502.0903

February 7, 2007

## CONTENTS

<u>Section</u>	<u>Page</u>
1.0 INTRODUCTION .....	Error! Bookmark not defined.
2.0 SITE BACKGROUND .....	Error! Bookmark not defined.
3.0 SITE OBSERVATIONS .....	Error! Bookmark not defined.
4.0 POTENTIAL TARGETS .....	4
5.0 FINDINGS AND RECOMMENDATIONS .....	4
REFERENCES .....	6

## APPENDIX

- A FIGURES
- B PHOTOGRAPHIC DOCUMENTATION

## **1.0 INTRODUCTION**

Under Remedial Action Contract (RAC) No. 68-S7-3002, Work Assignment No. 048-PAPA-03ZZ, U.S. Environmental Protection Agency (EPA) Region 3 tasked Tetra Tech, Inc. (Tt), to assist EPA Region 3 in the assessment of properties suspected to have been former lead smelter foundries. Tt subcontracted completion of this work assignment to Tetra Tech EM Inc. (Tetra Tech).

Former lead smelter sites nationwide were identified in an April 2001 article published in the American Journal of Public Health by Eckel, and others (Eckel study) (Reference [Ref.] 1). The majority of these lead smelters operated prior to 1964 and closed before the current environmental regulations were instituted. As part of the Eckel study, soil samples were collected from several of the identified former lead smelter properties. Results from the analysis of these soil samples indicated that concentrations of lead exceeded EPA's recommended screening level for lead in residential soils. The results of the Eckel study indicate that the air disposition of lead into soils from the former smelter operations may present an ongoing public health concern due to exposure of residential populations, especially children, located in the vicinity of these former lead smelters, to soils containing elevated concentrations of lead (Refs. 1, 2, and 3).

The Eckel study identified 77 properties that may have been formerly used as lead smelters within EPA Region 3 (Delaware, District of Columbia, Maryland, Pennsylvania, Virginia, and West Virginia). EPA Region 3 is currently investigating these 77 properties. The objective of EPA's investigation of these properties is to (1) determine the potential for lead-contaminated soil to be present at the former lead smelter site or nearby properties (2) identify any populations that may be at risk to exposure to this soil, and (3) determine if soil sampling is warranted at any of these sites or nearby properties.

The following activities were completed as part of the initial screening investigation of each of these former lead smelter sites: (1) verify the former lead smelter address listed in the Eckel

study through historical Sanborn fire insurance maps, tax parcel information, and/or contacting local agencies, (2) determine if the site is listed in EPA's Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) database, (3) determine through census information and existing maps the number of schools, daycare centers or recreational parks that exist near the former lead smelter site, (4) determine the population residing within a 4-mile radius of the site, (5) conduct a windshield reconnaissance of the site and surrounding area to document the current land use, identify any exposed soil and verify the existence of any schools, daycare centers or parks in the immediate area, and (6) review all information acquired to determine if the collection and analysis of soil samples is warranted at the site or at any nearby property.

This report summarizes the findings of the tasks outlined above for the former lead smelter known as the Penn-Harris Metals Corporation site located at 1650 North Cameron Street, Harrisburg, Pennsylvania, 17103. Each former smelter property was given a number in Eckel's study. The Eckel study number for this site is 301 (Ref. 1).

## **2.0 SITE LOCATION**

The former Penn-Harris Metals Corporation facility was located 1650 North Cameron Street, Harrisburg, Pennsylvania, 17103. The geographic coordinates of the former Penn-Harris Metals Corporation facility are 40.278075° north latitude and 76.879391° west longitude on the Harrisburg West, Pennsylvania Quadrangle, 7.5 minute series, United States Geological Survey topographic map (see Appendix A, Figure 1). The site is not currently listed in EPA's CERCLIS database (Ref. 4). An aerial photograph of the vicinity of the former lead smelter site has been included in Appendix A, Figure 2. This aerial photograph reveals the exposed soils and any identified areas of potential concern such as schools, daycare centers, or parks located within a half-mile radius of the site.

### **3.0 SITE OBSERVATIONS**

On February 16, 2006, Tetra Tech completed a non-sampling windshield reconnaissance of the former Penn-Harris Metal Corp site and surrounding area. A photographic record of the current site conditions is included in Appendix B. Figure 3, shows the current layout of the site and surrounding area as observed during Tetra Tech's site reconnaissance. The following observations were recorded:

- The subject property is located in a predominantly industrial area of Harrisburg, Pennsylvania.
- An old building that appears to be vacant is located on the subject property. The subject property, excluding where the building sits, is being used as a junkyard. A locked fence surrounded the entire property.
- Industrial properties surround the subject property in all directions. Adjacent to the site, to the north is another junkyard named CRS Corp.
- No schools, daycare centers, or parks were identified in the immediate vicinity of the site. The nearest residential homes are located approximately one-third a mile southeast of the subject property.

#### 4.0 POTENTIAL TARGETS

Potential targets identified that may be exposed to lead-contaminated soils remaining in the vicinity of the former Penn-Harris Metals Corporation site include any workers that may be employed at or in the nearby vicinity of the site . The population within a 4-mile radius of the site is summarized in the table below (Ref. 5).

**Population within a Four-mile Radius of the Site**

<b>Distance Ring (miles)</b>	<b>Population (number of persons)</b>
0.0 to 0.25	623
0.25 to 0.5	1,197
0.5 to 1.0	16,210
1.0 to 2.0	31,356
2.0 to 3.0	39,939
3.0 to 4.0	48,154

Source: U.S. Department of Commerce. Landview V Environmental Mapping Software based on the Bureau of Census 2000 Population Data. December 6, 2005.

No residents, schools, daycare centers, parks, or recreational areas have been identified in the area directly surrounding the site. No daycare centers were identified within one-half mile of the site. Two schools and a park were identified within one-half mile from the site. Downey Early Childhood School is located approximately one-third mile southeast of the site and Hamilton Elementary School is located approximately one-half mile southwest of the site. A portion of Sunshine Park is located one-half mile southeast of the site.

#### 5.0 FINDINGS AND RECOMMENDATIONS

The site is located in an industrial area of Harrisburg. Exposed soils were observed in the vicinity of the former location of the lead smelter; however, potential targets identified in this area are limited to workers. No parks, schools, or daycare facilities were identified in the

vicinity directly surrounding the area of the former lead smelter; therefore, due to the lack of potential targets in the vicinity of the former lead smelter the collection and analysis of soil samples is not recommended for this site at this time.

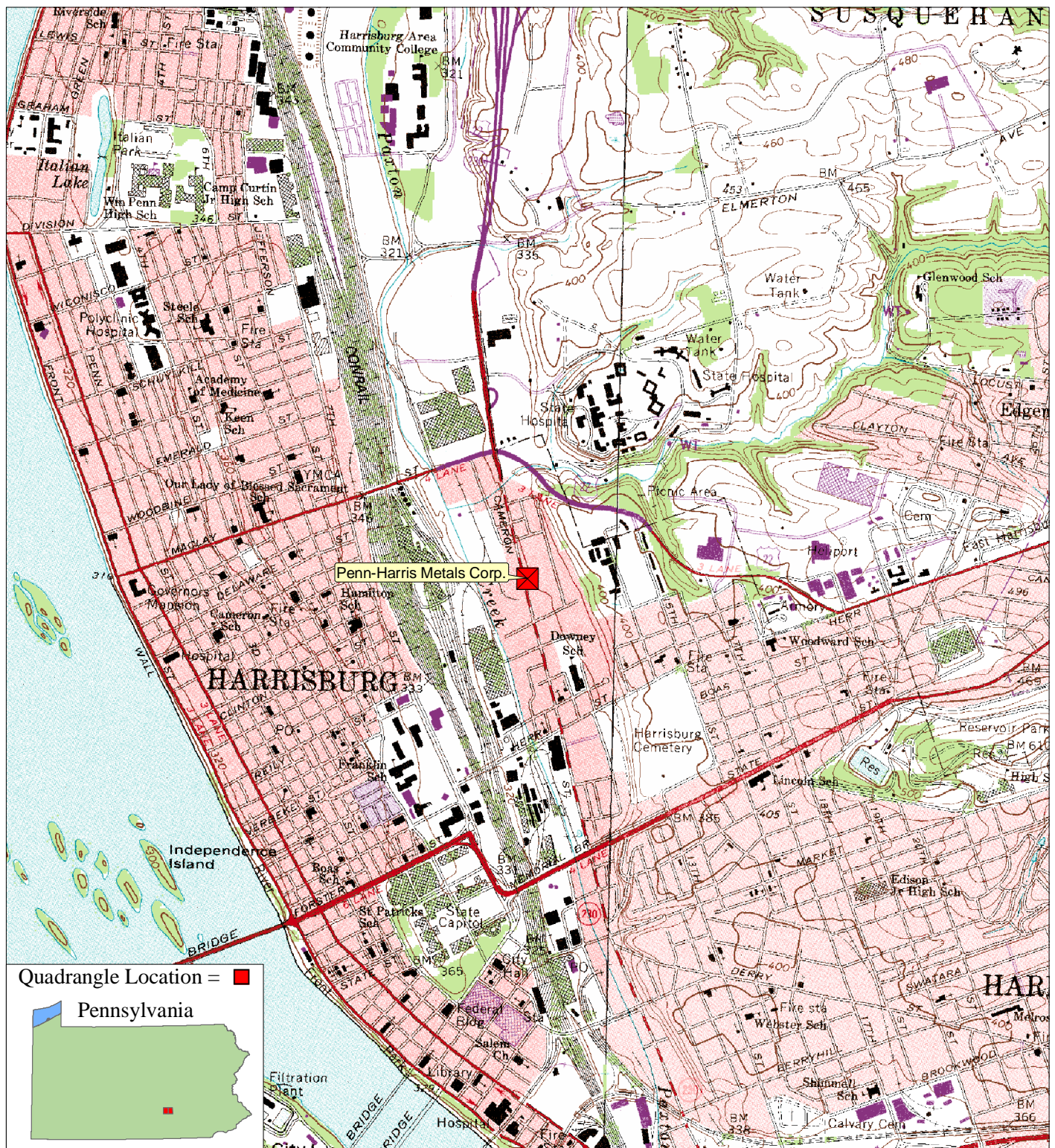
## REFERENCES

1. Eckel, W.P., Rabinowitz, M.B., Foster, G.D. American Journal of Public Health. "Discovering Unrecognized Lead-Smelting Sites by Historical Methods". April 2001.
2. Pennsylvania Department of Health. Suspected Former Lead Smelter Sites: A Potential Risk Factor for Childhood Lead Poisoning. August 2004.
3. U.S. Environmental Protection Agency (EPA). Revised Interim Soil Lead Guidance for CERCLA Sites and RCRA Corrective Action Facilities. OSWER Directive 9355.4-12. July 14, 1994.
4. U.S. EPA. Comprehensive Environmental Response, Compensation, and Liability Act Information System (CERCLIS) database. On-Line Address: <http://cfpub.epa.gov/supercpad/cursites/srchsites.cfm>
5. U.S. Census Bureau. State and County Quick Facts. Accessed On-Line on December 6, 2005. On-Line Address: [quickfacts.census.gov/qfd/states/42.html](http://quickfacts.census.gov/qfd/states/42.html).

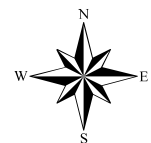


## **Appendix A**

### **Figures**



**Penn-Harris Metals Corp.**  
**1650 North Cameron Street**  
**Harrisburg, Dauphin County, Pennsylvania**  
**Eckel Site No. 301**

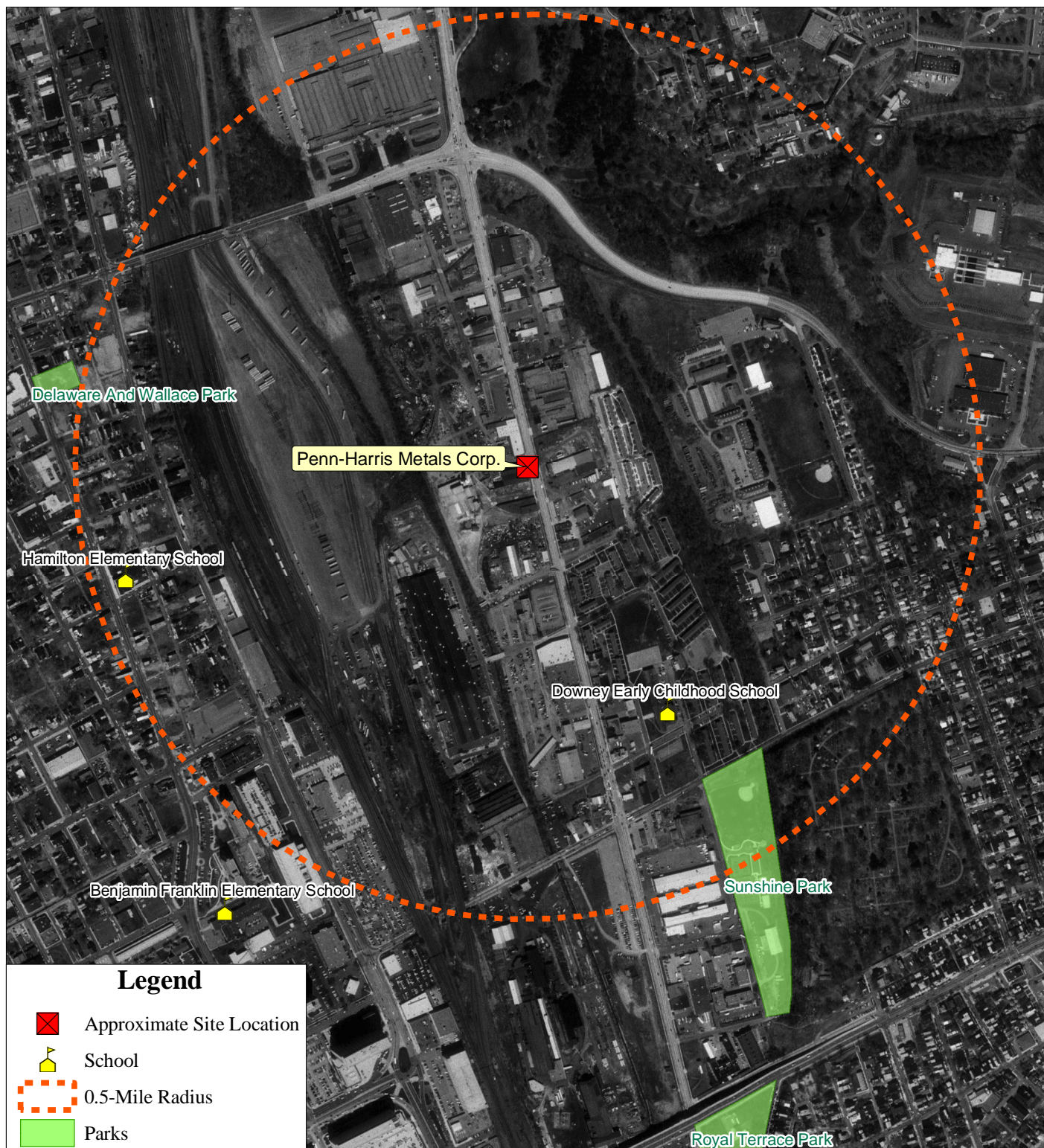


**Figure 1**  
**Site Location Map**

Source: Modified from USGS 7.5-Minute Series Topographic Quadrangles,  
 Harrisburg East, Pennsylvania, 1969, Photorevised 1987  
 Harrisburg West, Pennsylvania, 1969, Photorevised 1987

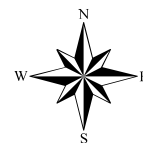






0 500 1,000  
  
 Feet  
 Scale in Feet

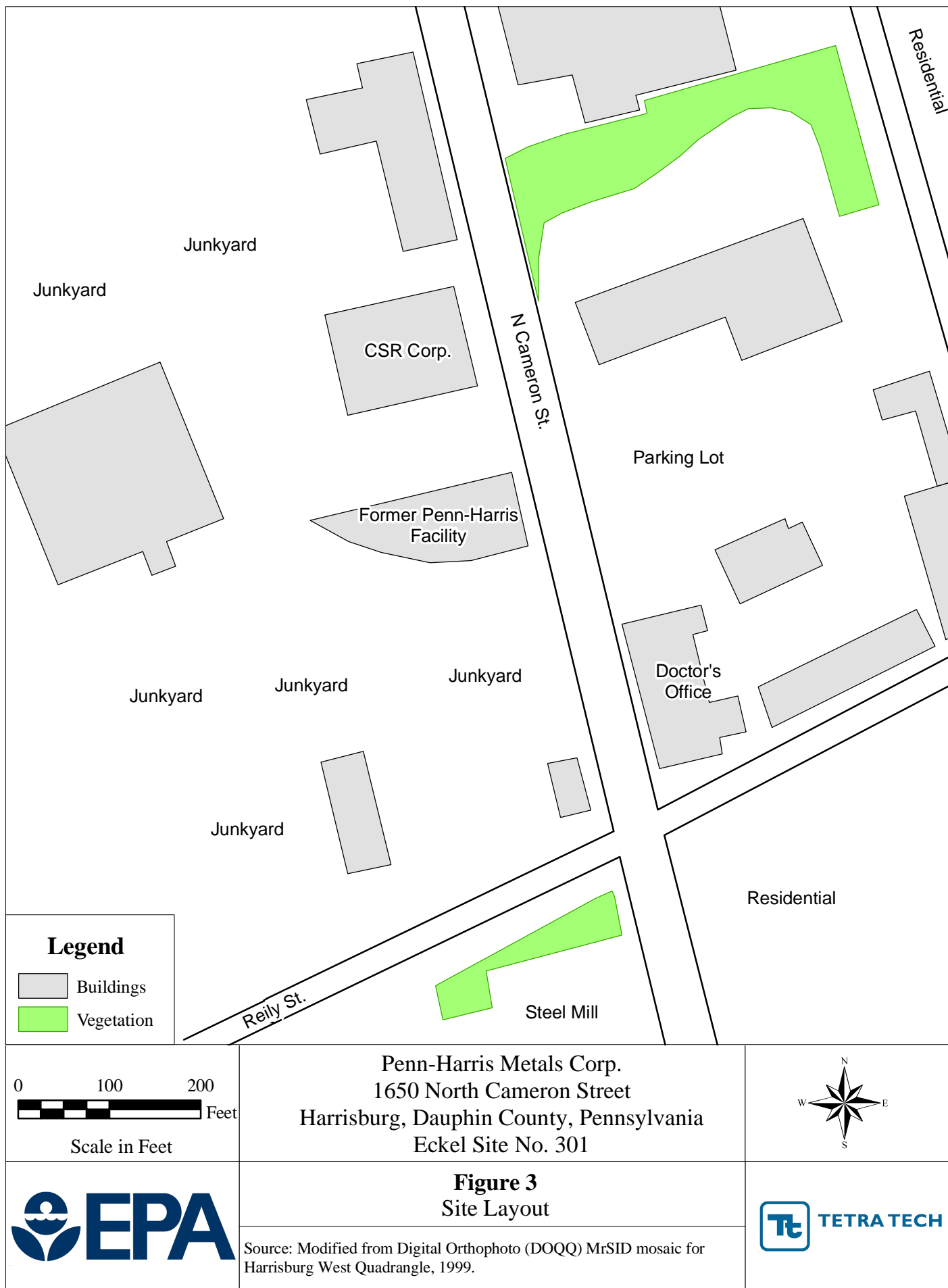
Penn-Harris Metals Corp.  
 1650 North Cameron Street  
 Harrisburg, Dauphin County, Pennsylvania  
 Eckel Site No. 301



**Figure 2**  
 Aerial Photograph

Source: Modified from Digital Orthophoto (DOQQ) MrSID mosaic for Harrisburg West Quadrangle, 1999.





## **Appendix B**

### **Photographic Documentation**





## *Photographic Documentation*

**Site Name:** Penn-Harris Metal Corp. – Eckel Number 301

**Location:** 1650 North Cameron Street, Harrisburg, Pennsylvania

**Prepared by:** Tetra Tech EM Inc.

**Photographer:** [REDACTED]

### **Photograph No. 1**

**Photograph Date:**

February 9, 2006

**Orientation:** South

**Description:**

1650 North Cameron Street, Harrisburg, PA. The former Penn-Harris Metal Corp. is now an abandoned building. The property is being used as a junkyard. It is fenced in with a dirt/gravel lot.



### **Photograph No. 2**

**Photograph Date:**

February 9, 2006

**Orientation:** South East

**Description:** The junkyard extends on both sides of the building and behind it. There are drums, scrap metal, car parts etc. in the junkyard.





## *Photographic Documentation*

**Site Name:** Penn-Harris Metal Corp. – Eckel Number 301

**Location:** 1650 North Cameron Street, Harrisburg, Pennsylvania

**Prepared by:** Tetra Tech EM Inc.

**Photographer:** [REDACTED]

### **Photograph No. 3**

**Photograph Date:**

February 9, 2006

**Orientation:** South West

**Description:** The north side of the subject property abuts CSR Corp., also a scrap yard with many crushed vehicles.



### **Photograph No. 4**

**Photograph Date:**

February 9, 2006

**Orientation:** West

**Description:** On the west side of North Cameron Street across from the subject property is another abandoned facility with a large open dirt/gravel lot and grass strips.

